

**Aero Design Ltd.****Work Order Control Sheet**Work Order#: **2017-95** Date Opened: **01 June 2017** Title: **Assembly**Aircraft OEM: **Eurocopter** Aircraft Model: **AS350** Product Type: **Bicycle Rack** Product Model: **RH** Quantity: **1****Work Order Contents**

Work Order/Build Sheets (Procedures Provided)  
Additional Work Sheets (Standard Practice)  
Drawings (See List Below)  
Parts Distribution Sheet  
Sub Component Tags  
Completed Certification  
Time Sheet (R&D)  
Notes

Initial or N/A

|     |
|-----|
| JC  |
| N/A |
| JC  |
| JC  |
| N/A |
| JC  |
| N/A |
| N/A |

**Build Sheet Contents**

Tasks Initialled  
Dual Inspections Initialled

Initial or N/A

|    |
|----|
| JC |
| JC |

**Drawing List**

| Drawing # | Rev # | Description        | Initial or N/A |
|-----------|-------|--------------------|----------------|
| 100210    | 0     | Bike Rack Assembly | JC             |
| 100215    | 0     | Bike Rack Base     | JC             |
|           |       |                    |                |
|           |       |                    |                |
|           |       |                    |                |
|           |       |                    |                |
|           |       |                    |                |

**Traveller**

Assemble base  
Assemble aft frames  
Assemble forward frames  
Install placard  
Prepare cam straps

Initial or N/A

|    |
|----|
| JR |
| JR |
| JR |
| JR |
| JR |
|    |
|    |

**Component Completion**

Quantity Complete on This Work Order  
Quantity Incomplete on This Work Order  
Further Processing Required Before Release  
Release to Stock as Components

As Instructed

|     |
|-----|
| 1   |
| N/A |
| N/A |
| N/A |

**Certification**

Form One Completed  
Serviceable (Green) Tag Completed  
In Process (Yellow) Tag Completed  
Unserviceable (Red) Tag Completed  
Parts Placed in Stores for Distribution

Initial or N/A

|     |
|-----|
| JC  |
| N/A |
| N/A |
| N/A |
| N/A |

**Additional Documentation**

Documentation of a minor change  
Non-Conformance Report Required  
Service Difficulty Report Required

Initial or N/A

|     |
|-----|
| N/A |
| N/A |
| N/A |

**Billing**

Local (Aero Design)  
Research and Development  
Third Party

Initial or N/A

|     |
|-----|
| JC  |
| N/A |
| N/A |

Work performed by:

Print: J. Rekve

Sign: 

SCA: AD01

Date: 05-Jul-17

ICC / Dual Inspection performed by:

Print: J. Clarke

Sign: 

SCA: AD02

Date: 05-Jul-17

Work Order closed by:

Print: J. Clarke

Sign: 

SCA: AD02

Date: 14-Jul-17

Approved Manufacturing Facility 73-04

Form 20.D.03

Rev. Original 23 Sep 2014

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                         |                                                       |                                                                                                                                                                                                                                                                                                                                       |                                          |                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------|
| 1. Approving Civil Aviation Authority/Country<br><b>Transport Canada</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                         | 2. <b>AUTHORIZED RELEASE CERTIFICATE<br/>FORM ONE</b> |                                                                                                                                                                                                                                                                                                                                       |                                          | 3. Form Tracking No.<br><b>2017-0251</b>            |
| 4. Organization Name and Address<br><b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                         |                                                       |                                                                                                                                                                                                                                                                                                                                       |                                          | 5. Work Order/Contract/Invoice<br><b>WO 2017-95</b> |
| 6. Item<br><b>1.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7. Description<br><b>Bicycle Rack<br/>Assembly (RH)</b> | 8. Part Number<br><b>100210-01-02</b>                 | 9. Qty.<br><b>1</b>                                                                                                                                                                                                                                                                                                                   | 10. Serial/Batch No.<br><b>100202-07</b> | 11. Status/Work<br><b>New</b>                       |
| 12. Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                         |                                                       |                                                                                                                                                                                                                                                                                                                                       |                                          |                                                     |
| 13a. Certifies that the items identified above were manufactured in conformity to:<br><br><input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.<br><br><input type="checkbox"/> Non approved design data specified in block 12.                                                                                                                                                                                                                                                                                                                                                   |                                                         |                                                       | 14a. <input type="checkbox"/> CAR 571.10 Maintenance Release<br><br><input type="checkbox"/> Other regulation specified in block 12<br><br>Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations. |                                          |                                                     |
| 13b. Signature<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         | 13c. Approved Organization Number<br><b>AMF 73-04</b> |                                                                                                                                                                                                                                                                                                                                       | 14b. Signature                           |                                                     |
| 13d. Name<br><b>Jeff Clarke - AD02</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                         | 13e. Date (dd/mmm/yyyy)<br><b>05 July 2017</b>        |                                                                                                                                                                                                                                                                                                                                       | 14c. Approved Organization Number        |                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                         |                                                       |                                                                                                                                                                                                                                                                                                                                       | 14d. Name                                |                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                         |                                                       |                                                                                                                                                                                                                                                                                                                                       | 14e. Date (dd/mmm/yyyy)                  |                                                     |
| <p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p> |                                                         |                                                       |                                                                                                                                                                                                                                                                                                                                       |                                          |                                                     |


ARROW HELICOPTERS



1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. WELDING OF REEF ALUMINUM IS TO BE COMPLETED BY STAY METHOD TO AEROSPACE WELDING JOINT SHALL CONFORM TO AWS/AAS D14043
3. FINISH, ALUMINUM PARTS - AFTER WELDING
  - THOROUGHLY DECREASE, ALCOHOL, EPOXY PRIME AND POLYURETHANE PAINT.
  - ALTERNATE, POLYMER COATING
    - THOROUGHLY DECREASE USING TOP CHEMICALS TOP COAT 8000 DEGREASER / 100% PHOSPHATE @ 200 BTU VOLUME
    - POWDER COAT USING SHOWN BAKING POLYESTER SPOUR 8000 POWDER ON EQUIVALENT POWDER COAT MATERIALS
    - AND PROCESS THAT DOES NOT EXCEED TEMPERATURE/TIME LIMITS SHOWN BELOW
    - CURE POWDER COATING AT 320° (160°) FOR 30 MINUTES (3-5 MIN)
4. INSTALL PLACARD AFTER SURFACE FINISH IS DRY



|     |     |     |     |                   |
|-----|-----|-----|-----|-------------------|
| QTY | QTY | QTY | QTY | LIST OF MATERIALS |
|-----|-----|-----|-----|-------------------|


|                                                                               |  |                                                                |  |                                                                                               |  |                                                                                                                                                                            |
|-------------------------------------------------------------------------------|--|----------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BASIC CODE<br>HW HAS 322                                                      |  | DASH NO. DRAFTER<br>HW HAS 322                                 |  | APPROVALS DATE                                                                                |  |  <b>AERO DESIGN LTD.</b><br>1000A LAKESHORE ROAD<br>POWELL RIVER, BC, CANADA, WA6 1A0 |
| C=CONVERTED<br>D=DRAWN                                                        |  | DASH NO. FOR LENGTH                                            |  | DRAWN BY: JERRY CLARKE 13 JAN 82<br>CHECKED BY: JASON REED 13 JAN 82                          |  |                                                                                                                                                                            |
| DASH NO. FOR SHEETS TO BE DRAWD                                               |  |                                                                |  | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>DECIMALS OF                         |  |                                                                                                                                                                            |
| BASIC CODE<br>BU=323220-40<br>BR=323220-40A<br>BU=323220-40B<br>BU=323220-40C |  | + REVISION NEW REV<br>+ REVISION/REPLACE REV<br>+ REVISION REV |  | DECIMALS<br>X.XXX 0.010<br>X.XX 0.05<br>X.X 0.1<br>X 0.5                                      |  | SCALE 1 OF 1<br>PROJ 100215 0                                                                                                                                              |
|                                                                               |  |                                                                |  | AIRBUS HELICOPTERS A5350 & A5355 SERIES<br>BICYCLE RACK INSTALLATION<br>RACK BASE FABRICATION |  |                                                                                                                                                                            |

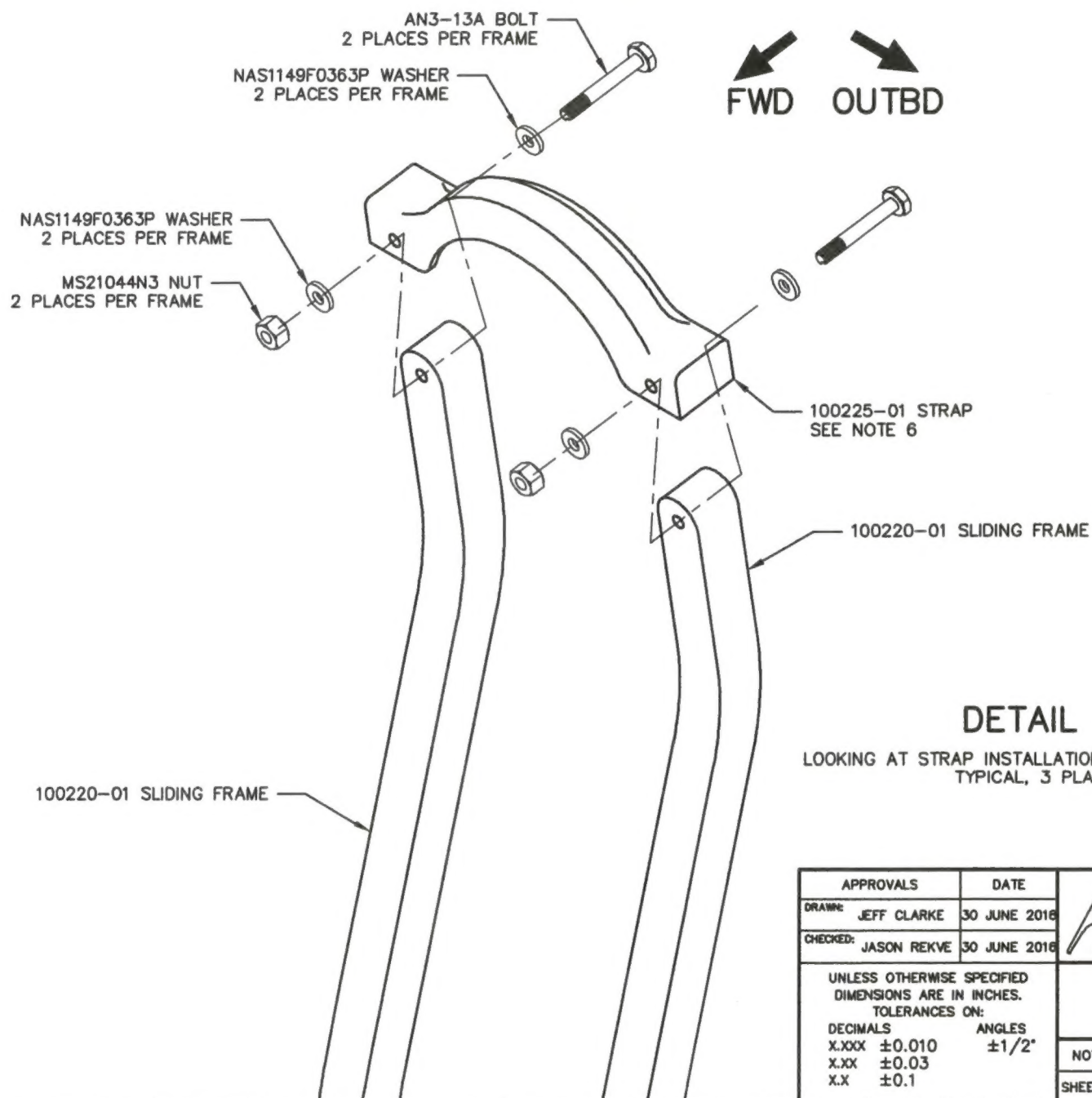



# NOTES

1. INSTALL ALL HARDWARE USING STANDARD SHOP PRACTICES AS OUTLINED IN AC43.13-1B, CHAPTER 7 "AIRCRAFT HARDWARE, CONTROL CABLES, AND TURNBUCKLES" OR STANDARD AIRCRAFT WORKERS MANUAL, SECTION 7 "SHOP PRACTICES". NAS1149F0432P WASHERS MAY BE SUBSTITUTED FOR NAS1149F0463P WASHERS TO MAINTAIN 2-4 THREADS BEYOND LOCKING AS REQUIRED ON ASSEMBLY.
2. APPLY NICKEL BASED ANTI-SEIZE COMPOUND TO THREADS OF FITTING ON INSTALLATION.
3. ANY PAINT OR POWDER COAT THAT PREVENTS INSTALLATION OF ATTACHMENT BRACKET MAY BE REMOVED WITH SCOTCH BRITE. APPLY ALODINE TO UN-COATED AREAS PRIOR TO ASSEMBLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
4. APPLY MASTINOX 6856K, TECTYL 894, OR EQUIVALENT CORROSION PREVENTATIVE COMPOUND TO FLANGE OF ATTACHMENT BRACKET AND BEAM SLOT PRIOR TO ASSEMBLY.
5. ENSURE ROLLERS ARE FREE TO ROTATE WITH CAM OPEN AND FRAME SLIDES ALONG RAIL. ENSURE CAM ROTATES TO LOCKED POSITION WITH LEVER PARALLEL TO FRAME. ENSURE FRAME CANNOT SLIDE ON RAIL WHEN CAM IS IN LOCKED POSITION.
6. ANY PAINT OR POWDER COAT THAT PREVENTS INSTALLATION OF STRAP MAY BE REMOVED WITH SCOTCH BRITE. APPLY ALODINE TO UN-COATED AREAS PRIOR TO ASSEMBLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
7. TORQUE AN3 BOLTS TO 12-15 IN-LBS (1.4-1.7 N-m). TORQUE AN4 BOLTS TO 30-40 IN-LBS (3.4-4.5 N-m). TORQUE 96710-01 FITTINGS TO 160-190 IN-LBS (18.1-21.5 N-m).

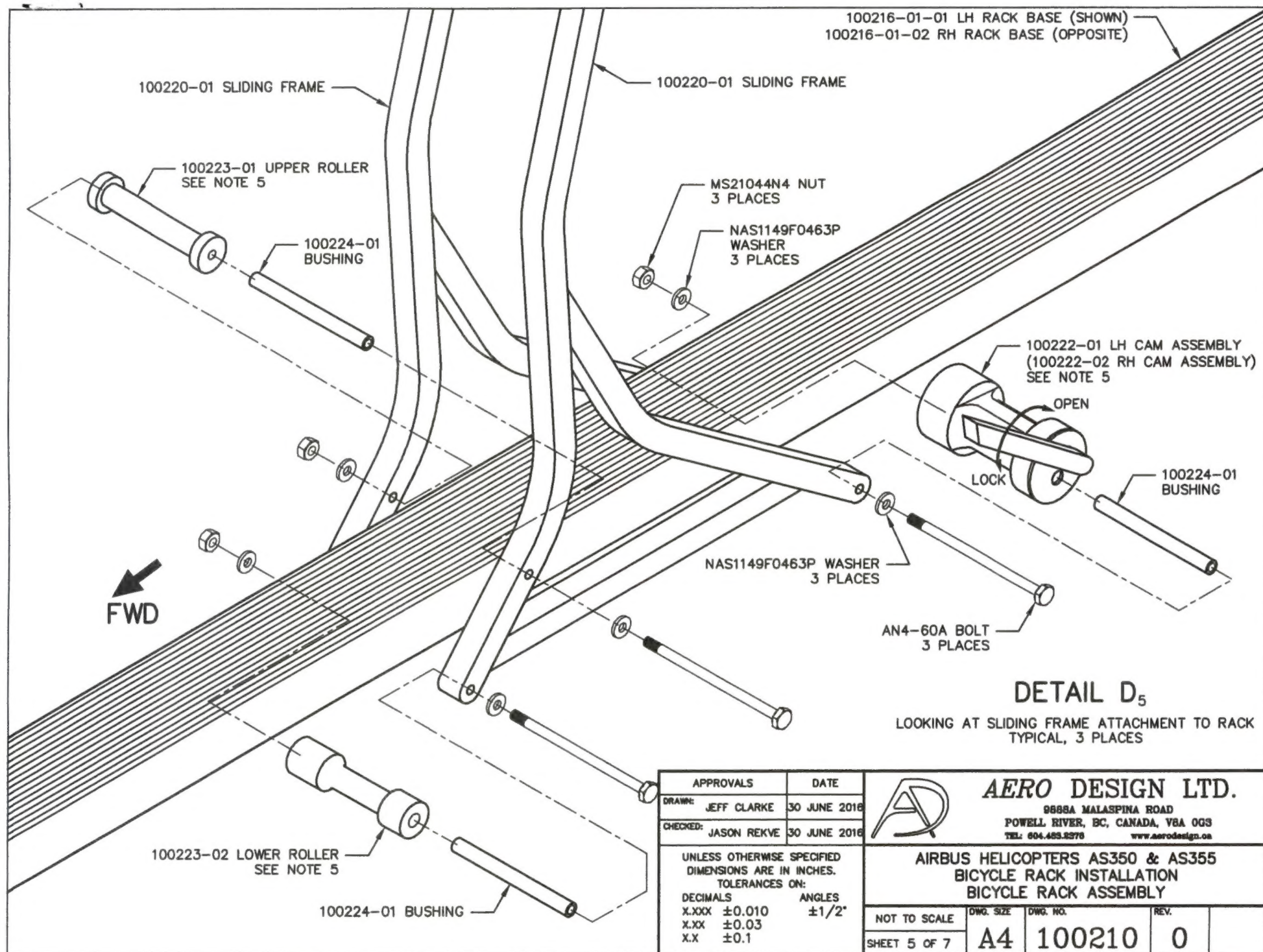
|      |      |                   |                               |
|------|------|-------------------|-------------------------------|
| (12) | (12) | MS21042-3         | NUT (ALTERNATE)               |
| 12   | 12   | MS21044N3         | NUT                           |
| 24   | 24   | NAS1149F0363P     | WASHER                        |
| 12   | 12   | AN3-13A           | BOLT                          |
| (13) | (13) | MS21042-4         | NUT (ALTERNATE)               |
| 13   | 13   | MS21044N4         | NUT                           |
| A/R  | A/R  | NAS1149F0432P     | WASHER                        |
| 38   | 38   | NAS1149F0463P     | WASHER                        |
| 9    | 9    | AN4-60A           | BOLT                          |
| 4    | 4    | AN4-14A           | BOLT                          |
| 12   | 12   | AN4-11A           | BOLT                          |
| 8    | 8    | NAS1149F0663P     | WASHER                        |
| 4    | 4    | 96710-01          | FITTING (ALT: ANCRA 40088-14) |
| 9    | 9    | 100224-01         | BUSHING                       |
| 3    | 3    | 100223-02         | LOWER ROLLER                  |
| 3    | 3    | 100223-01         | UPPER ROLLER                  |
| 3    |      | 100222-02         | RH CAM ASSEMBLY               |
|      | 3    | 100222-01         | LH CAM ASSEMBLY               |
| 6    | 6    | 100220-01         | SLIDING FRAME                 |
| 6    | 6    | 100225-01         | STRAP                         |
| 6    | 6    | 100221-01         | FIXED FRAME                   |
| 2    | 2    | 100230-02         | ATTACHMENT BRACKET            |
| 1    |      | 100215-01-02      | RH RACK BASE                  |
|      | 1    | 100215-01-01      | LH RACK BASE                  |
|      |      | 100210-01-02      | 02 RH BICYCLE RACK ASSEMBLY   |
|      |      | 100210-01-01      | 01 LH BICYCLE RACK ASSEMBLY   |
| 02   | 01   | PART NO.          | ITEM DESCRIPTION              |
| QTY  | QTY  | LIST OF MATERIALS |                               |


|                                                                           |             |              |                                                                                        |                                                                                                                                  |                           |                  |  |
|---------------------------------------------------------------------------|-------------|--------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------|--|
| APPROVALS                                                                 |             | DATE         |   | <b>AERO DESIGN LTD.</b><br>9888A MALASPINA ROAD<br>POWELL RIVER, BC, CANADA, V8A 0G3<br>TEL: 604.483.8376      www.aerodesign.ca |                           |                  |  |
| DRAWN:                                                                    | JEFF CLARKE | 30 JUNE 2016 |                                                                                        |                                                                                                                                  |                           |                  |  |
| CHECKED:                                                                  | JASON REKVE | 30 JUNE 2016 |                                                                                        |                                                                                                                                  |                           |                  |  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br>TOLERANCES ON: |             |              | AIRBUS HELICOPTERS AS350 & AS355<br>BICYCLE RACK INSTALLATION<br>BICYCLE RACK ASSEMBLY |                                                                                                                                  |                           |                  |  |
| DECIMALS                                                                  |             | ANGLES       | NOT TO SCALE                                                                           | DWG. SIZE<br><b>A4</b>                                                                                                           | DWG. NO.<br><b>100210</b> | REV.<br><b>0</b> |  |
| X.XXX ±0.010                                                              |             | ±1/2"        |                                                                                        |                                                                                                                                  |                           |                  |  |
| X.XX ±0.03                                                                |             |              |                                                                                        |                                                                                                                                  |                           |                  |  |
| X.X ±0.1                                                                  |             |              |                                                                                        |                                                                                                                                  |                           |                  |  |
| SHEET 7 OF 7                                                              |             |              |                                                                                        |                                                                                                                                  |                           |                  |  |

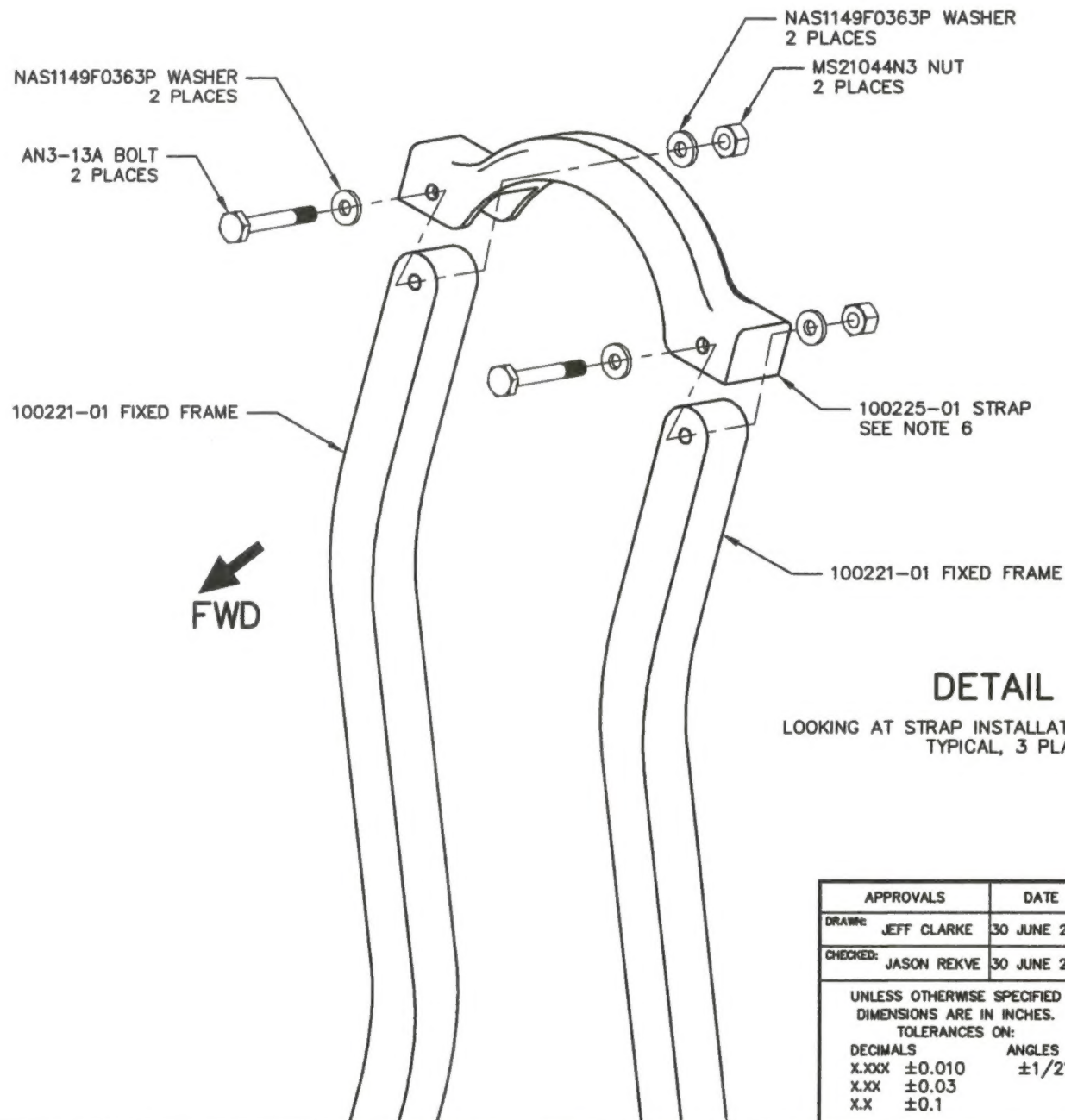



|                                                                                                                                                                                        |  |              |          |                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APPROVALS                                                                                                                                                                              |  | DATE         |          |  <div><b>AERO DESIGN LTD.</b><br/>9888A MALASPINA ROAD<br/>POWELL RIVER, BC, CANADA, V8A 0G3<br/>TEL: 604.483.8376      www.aerodesign.ca</div> |
| DRAWN: JEFF CLARKE                                                                                                                                                                     |  | 30 JUNE 2016 |          |                                                                                                                                                                                                                                      |
| CHECKED: JASON REKVE                                                                                                                                                                   |  | 30 JUNE 2016 |          |                                                                                                                                                                                                                                      |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br>TOLERANCES ON:<br>DECIMALS                      ANGLES<br>X.XXX ±0.010                      ±1/2°<br>X.XX ±0.03<br>X.X ±0.1 |  |              |          | AIRBUS HELICOPTERS AS350 & AS355<br>BICYCLE RACK INSTALLATION<br>BICYCLE RACK ASSEMBLY                                                                                                                                               |
| NOT TO SCALE                                                                                                                                                                           |  | DWG. SIZE    | DWG. NO. | REV.                                                                                                                                                                                                                                 |
| SHEET 6 OF 7                                                                                                                                                                           |  | A4           | 100210   | 0                                                                                                                                                                                                                                    |



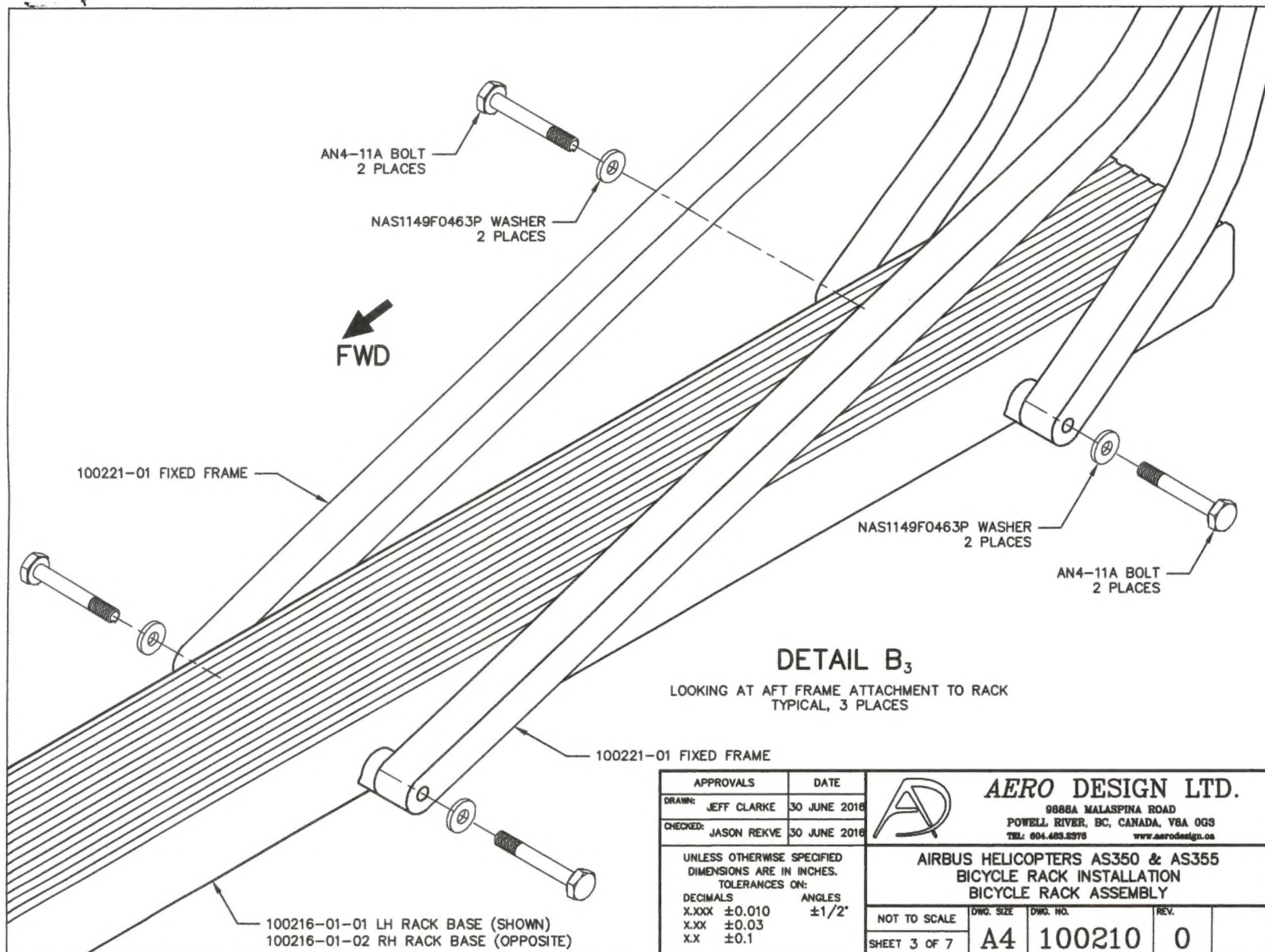



| APPROVALS                                                                                                                                              |             | DATE         |          |  <b>AERO DESIGN LTD.</b><br>9888A MALASPINA ROAD<br>POWELL RIVER, BC, CANADA, V8A 0G3<br>TEL: 604.483.8276 www.aerodesign.ca |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DRAWN:                                                                                                                                                 | JEFF CLARKE | 30 JUNE 2016 |          |                                                                                                                                                                                                                   |
| CHECKED:                                                                                                                                               | JASON REKVE | 30 JUNE 2016 |          |                                                                                                                                                                                                                   |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br>TOLERANCES ON:<br>DECIMALS      ANGLES<br>X.XXX ±0.010      ±1/2°<br>X.XX ±0.03<br>X.X ±0.1 |             |              |          | <b>AIRBUS HELICOPTERS AS350 &amp; AS355<br/>           BICYCLE RACK INSTALLATION<br/>           BICYCLE RACK ASSEMBLY</b>                                                                                         |
| NOT TO SCALE                                                                                                                                           |             | DWG. SIZE    | DWG. NO. | REV.                                                                                                                                                                                                              |
| SHEET 5 OF 7                                                                                                                                           |             | A4           | 100210   | 0                                                                                                                                                                                                                 |



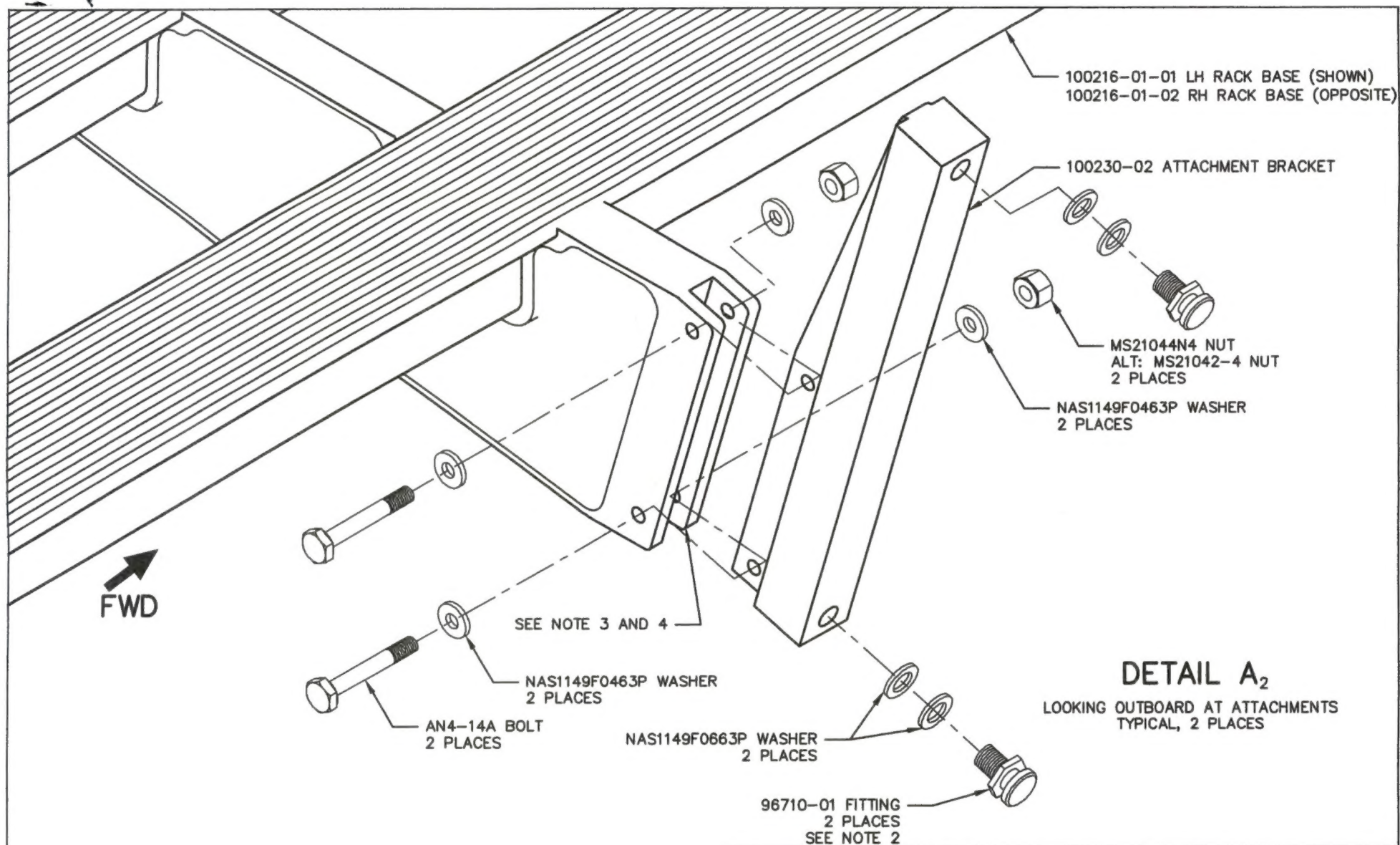
|                                                                                                                                                                                                 |             |              |          |                                                                                        |                                                                                                                                  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|----------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|
| APPROVALS                                                                                                                                                                                       |             | DATE         |          |   | <b>AERO DESIGN LTD.</b><br>9888A MALASPINA ROAD<br>POWELL RIVER, BC, CANADA, V8A 0G3<br>TEL: 604.483.8378      www.aerodesign.ca |  |
| DRAWN:                                                                                                                                                                                          | JEFF CLARKE | 30 JUNE 2018 |          |                                                                                        |                                                                                                                                  |  |
| CHECKED:                                                                                                                                                                                        | JASON REKVE | 30 JUNE 2018 |          |                                                                                        |                                                                                                                                  |  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br>TOLERANCES ON:<br>DECIMALS                      ANGLES<br>X.XXX    ±0.010                      ±1/2°<br>X.XX    ±0.03<br>X.X    ±0.1 |             |              |          | AIRBUS HELICOPTERS AS350 & AS355<br>BICYCLE RACK INSTALLATION<br>BICYCLE RACK ASSEMBLY |                                                                                                                                  |  |
| NOT TO SCALE                                                                                                                                                                                    |             | DWG. SIZE    | DWG. NO. |                                                                                        | REV.                                                                                                                             |  |
| SHEET 4 OF 7                                                                                                                                                                                    |             | A4           | 100210   |                                                                                        | 0                                                                                                                                |  |






|                                                                           |  |              |  |                                                                                        |                                                                            |      |  |  |
|---------------------------------------------------------------------------|--|--------------|--|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------|--|--|
| APPROVALS                                                                 |  | DATE         |  |   | <b>AERO DESIGN LTD.</b>                                                    |      |  |  |
| DRAWN: JEFF CLARKE                                                        |  | 30 JUNE 2016 |  |                                                                                        | 9888A MALASPINA ROAD                                                       |      |  |  |
| CHECKED: JASON REKVE                                                      |  | 30 JUNE 2016 |  |                                                                                        | POWELL RIVER, BC, CANADA, V8A 0G3                                          |      |  |  |
|                                                                           |  |              |  |                                                                                        | TEL: 804.483.2376 <a href="http://www.aerodesign.ca">www.aerodesign.ca</a> |      |  |  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br>TOLERANCES ON: |  |              |  | AIRBUS HELICOPTERS AS350 & AS355<br>BICYCLE RACK INSTALLATION<br>BICYCLE RACK ASSEMBLY |                                                                            |      |  |  |
| DECIMALS                                                                  |  | ANGLES       |  |                                                                                        |                                                                            |      |  |  |
| X.XXX ±0.010                                                              |  | ±1/2"        |  |                                                                                        |                                                                            |      |  |  |
| X.XX ±0.03                                                                |  |              |  |                                                                                        |                                                                            |      |  |  |
| X.X ±0.1                                                                  |  |              |  |                                                                                        |                                                                            |      |  |  |
| NOT TO SCALE                                                              |  | DWG. SIZE    |  | DWG. NO.                                                                               |                                                                            | REV. |  |  |
| SHEET 3 OF 7                                                              |  | A4           |  | 100210                                                                                 |                                                                            | 0    |  |  |





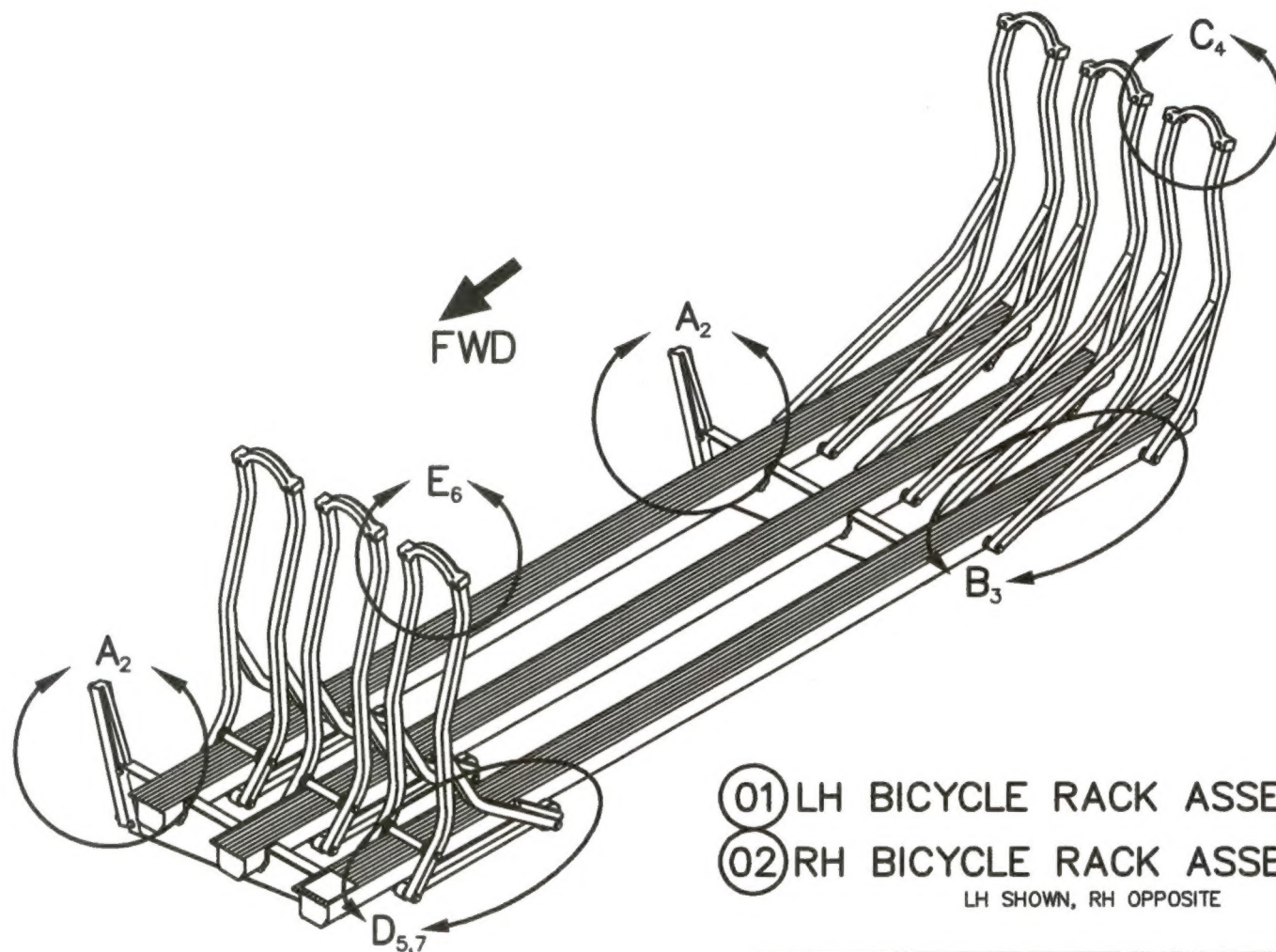
## DETAIL A<sub>2</sub>

LOOKING OUTBOARD AT ATTACHMENTS  
TYPICAL, 2 PLACES


|                                                                                                                                                        |  |              |  |                                                                                        |                                                                                                                                  |      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------|--|
| APPROVALS                                                                                                                                              |  | DATE         |  |   | <b>AERO DESIGN LTD.</b><br>9888A MALASPINA ROAD<br>POWELL RIVER, BC, CANADA, V8A 0G3<br>TEL: 604.489.8376      www.aerodesign.ca |      |  |
| DRAWN: JEFF CLARKE                                                                                                                                     |  | 30 JUNE 2016 |  |                                                                                        |                                                                                                                                  |      |  |
| CHECKED: JASON REKVE                                                                                                                                   |  | 30 JUNE 2016 |  |                                                                                        |                                                                                                                                  |      |  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br>TOLERANCES ON:<br>DECIMALS      ANGLES<br>X.XXX ±0.010      ±1/2°<br>X.XX ±0.03<br>X.X ±0.1 |  |              |  | AIRBUS HELICOPTERS AS350 & AS355<br>BICYCLE RACK INSTALLATION<br>BICYCLE RACK ASSEMBLY |                                                                                                                                  |      |  |
| NOT TO SCALE                                                                                                                                           |  | DWG. SIZE    |  | DWG. NO.                                                                               |                                                                                                                                  | REV. |  |
| SHEET 2 OF 7                                                                                                                                           |  | A4           |  | 100210                                                                                 |                                                                                                                                  | 0    |  |

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| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-----------------------|----------|------|
| 0    | INITIAL ISSUE         |          |      |



- ① LH BICYCLE RACK ASSEMBLY  
 ② RH BICYCLE RACK ASSEMBLY  
 LH SHOWN, RH OPPOSITE

| APPROVALS                                                                                                                                    | DATE         |  <b>AERO DESIGN LTD.</b><br>9888A MALASPINA ROAD<br>POWELL RIVER, BC, CANADA, V8A 0G3<br>TEL: 604.469.2376 www.aerodesign.ca |          |      |  |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|--|
| DRAWN: JEFF CLARKE                                                                                                                           | 30 JUNE 2016 |                                                                                                                                                                                                                   |          |      |  |
| CHECKED: JASON REKVE                                                                                                                         | 30 JUNE 2016 |                                                                                                                                                                                                                   |          |      |  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br>TOLERANCES ON:<br>DECIMALS ANGLES<br>X.XXX ±0.010 ±1/2°<br>X.XX ±0.03<br>X.X ±0.1 |              | <b>AIRBUS HELICOPTERS AS350 &amp; AS355<br/>           BICYCLE RACK INSTALLATION<br/>           BICYCLE RACK ASSEMBLY</b>                                                                                         |          |      |  |
| NOT TO SCALE                                                                                                                                 |              | DWG. SIZE                                                                                                                                                                                                         | DWG. NO. | REV. |  |
| SHEET 1 OF 7                                                                                                                                 |              | A4                                                                                                                                                                                                                | 100210   | 0    |  |



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4. Install placard:

- a. Install 100227-XX Placard using CR3213-4-04 CherryMax rivets, 4 places per placard. Locate placard as follows:
  - i. Center placard in pocket at front end of outboard rail.
  - ii. If pocket is not machined in rail, locate placard 5/8" from forward edge of outboard rail, with rivets centered on the high ridges.

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5. Prepare cam straps, 3 per rack:

- a. Cut webbing of cam strap to 52" from end of buckle to end of strap. Cut at a 45° angle.
- b. Using a lighter, carefully melt the cut end.

6. Final Inspection:

To be completed by a different person than the previous steps.

- a. Inspect bicycle rack 100210-01-XX for conformity to drawings.
- b. Check bolts have been torqued.
- c. Inspect cam straps.

BICYCLE RACK ASSEMBLY – 100210

Work Order: 2017-95

Complete  
(initial or SCA #)

Date Open: 01 JUNE 2017

General

These instructions apply to assembly of AS350/AS355 bicycle racks. Refer to the following drawings, at the current revision, for dimensions and details:

100210, Revision 0 – Bicycle Rack Assembly

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1. Assemble rack base:

- a. Install 96710-01 Fitting with two NAS1149F0663P Washers on 100230-02 Attachment Bracket, 2 places per bracket. Apply nickel based anti-seize compound to threads.
- b. Torque Fittings to 160-190 in-lbs (18.1-21.5 N-m).
- c. Apply Mastinox 6856K, Tectyl 894, or equivalent corrosion preventative compound to flanges of attachment brackets and slots on inboard side of rack.
- d. Install 100230-02 attachment brackets on inboard side of rack base using AN4-14A Bolt, two NAS1149F0463P Washers, and MS21044N4 nut, two places per bracket, two brackets per rack base.
- e. Torque AN4 bolts to 30-40 in-lbs (3.4-4.5 N-m).

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2. Assemble aft fixed frames, 3 places per rack:

- a. Install two 100221-01 Fixed Frames using two AN4-11A Bolts and NAS1149F0463P Washers per frame.
- b. Install 100225-01 Strap across top of frames using two AN3-13A Bolts, NAS1149F0363P Washers (2 places) and MS21044N3 Nuts.
- c. Torque AN3 bolts to 12-15 in-lbs (1.4-1.7 N-m).
- d. Torque AN4 bolts to 30-40 in-lbs (3.4-4.5 N-m).

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3. Assemble forward moveable frames, 3 places per rack:

- a. Assemble 100223-01 Upper Roller, 100223-02 Lower Roller, and 100222-01 (LH) or 100222-02 (RH) Cam with 100224-01 Bushings.
- b. Locate two 100220-01 Moveable Frames on either side of rail. At the forward end (with two bushings), insert AN4-60A Bolt with NAS1149F0463P Washer through bottom bushing in frame, through Lower Roller assembled above, and through frame on opposite side. Install NAS1149F0463P Washer and MS21044N4 Nut on bolt.
- c. Raise assembly to rack. At forward end, insert AN4-60A Bolt with NAS1149F0463P Washer through upper bushing in frame, through Upper Roller assembled above, and through frame on opposite side. Install NAS1149F0463P Washer and MS21044N4 Nut on bolt.
- d. At aft end, insert AN4-60A Bolt with NAS1149F0463P Washer through aft bushing in frame, through Cam Assembly assembled above (lever down), and through frame on opposite side. Install NAS1149F0463P Washer and MS21044N4 Nut on bolt.
- e. Install 100225-01 Strap across top of frames using two AN3-13A Bolts, NAS1149F0363P Washers (2 places) and MS21044N3 Nuts.
- f. Torque AN3 bolts to 12-15 in-lbs (1.4-1.7 N-m).
- g. Torque AN4 bolts to 30-40 in-lbs (3.4-4.5 N-m).



RT 2.

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